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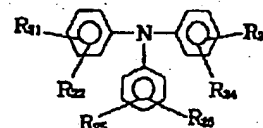
(54) FIELD ELECTROLUMINESCENCE ELEMENT

are each formula I, formula II, etc.).

(57) Abstract:

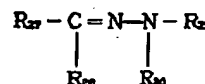
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PURPOSE: To obtain the inexpensive element containing a polycarbonate polymer having a charge-transporting group on its side chain in an organic compound layer, capable of exhibiting high brightness and various luminous color tone, having heat resistance and durability, and easily producible.

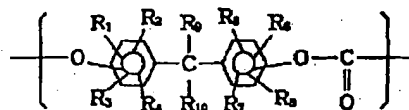


I

→ CONSTITUTION: This field electroluminescence element holds an organic compound layer between the anode and the cathode. The organic compound layer contains a polycarbonate polymer having a charge-transporting group on the side chain. Preferable charge-transporting group is a triphenylamine structure- containing group of formula I (R_{21} to R_{26} are each H, a halogen, etc.); a hydrazone structure-containing group of formula II (R_{27} and R_{28} are each H, an alkyl, etc.; R_{29} and R_{30} are each an alkyl, an aryl, etc., and at least one of R_{29} and R_{30} is an aryl). Further, the polycarbonate polymer preferably has a recurring unit expressed by formula III (R_1 to R_8 are each H, an alkoxy, etc.; one of R_9 and R_{10} is a group of formula I, formula II, etc., and the other is H, an alkenyl, etc., or both of them



II



III

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